

From: Shirley Birosik
 To: Wilson, Craig J.
 Date: 2/3/05 12:51:54 PM
 Subject: Re: Consolidated Slip and Dominguez Channel (unlined portion)

CONSOLIDATED SLIP 4-436
 LA HARBOR
 (111)

That should be fine

>>> Craig J. Wilson 02/03/05 12:30PM >>>
 2-3 weeks?

>>> Shirley Birosik Thursday, February 03, 2005 >>>
 What's your timeline for a reassessment?

>>> Craig J. Wilson 02/03/05 12:17PM >>>
 Hi Shirley,

Thanks for the responses. The info you provided on the benthic data and coliform data is perfect and convincing. It would help us greatly if you would reassess the data for your recommendations using the Policy-consistent values for Hg (2.1 ug/g), Total PCBs (400 ng/g), and Total PAHs (1,800 ug/g). For the other chemicals, I don't know of any guidelines that satisfy the Policy's requirements.

Let's discuss if you wish.

Craig J. Wilson
 916-341-5560

>>> Shirley Birosik Thursday, February 03, 2005 >>>

Consolidated Slip was originally listed for impaired benthic community based on multiple reports stating that this area of the harbor had an impaired benthic community, usually evaluated by numbers of pollutant tolerant species. No index was originally available. The 17 samples mentioned are all from the 1997 BPTCP report which I believe came after the original listing - I didn't cite other data for this re-look since I didn't have access to electronic versions of anything else with benthic results and no one else seemed to be using an index for the area of Consolidated Slip. I asked Michael Lyons if the BPTCP way of evaluating the benthic data (which put the Consolidated Slip benthic community pretty much at the bottom of everything sampled in our area) stood up when compared to the new benthic index people here are using (which I'm not at all familiar with myself) and it sounded like the results were comparable so I mentioned the new Benthic Response Index being used down here in enclosed embayments. However, I only had readily available interpretive data from the BPTCP report using the Relative Benthic Index which said that the benthic community was degraded if the RBI is less or equal to 0.30. RBIs greater than 0.31 and less than or equal to 0.6 were considered transitional. After I took a closer look at the BPTCP report today (my re-look last summer had been quick for the benthic stuff since I was focusing on newer data that was mostly chemistry), it looks like only 11 samples had a benthic index calculated. Of those 5 were degraded and 6 were transitional. I would still consider it degraded based on the co-occurring multiple high chemistry and sediment toxicity. I don't really know if the BPCTP's RBI or the Bight '94 BRI should be used as the point of comparison. Maybe Michael can weigh in.

Regarding Dominguez Channel coliform for the unlined estuary specifically, there were a total of 18 samples at nine locations spread throughout the estuary during 2002 and 2003. Eight exceeded our single sample objective for total coliform, 11 exceeded our single sample objective for fecal coliform, and 10 exceeded our single sample objective for enterococcus. **I realize also that the way I entitle the lined portion is confusing. Basically, the estuary begins at Vermont so I call it "Dominguez Channel Estuary (unlined portion below Vermont)". The lined portion obviously then is that part above Vermont. So I should have called it simply "Dominguez Channel (lined portion above Vermont)".**

Regarding what sediment numbers I used, since I was reviewing the data last summer, the final version of the listing policy was not yet out. Therefore, I used the ERMs/PELs as provided to me by Michael who

had been involved with a workgroup for the listing policy dealing with sediment and bioaccumulation guidelines. There are a number of differences between what I had available in summer 2004 and what is now out.

Regarding metals, there is no ERM for Cd in estuarine sediments in the current listing policy while I used an ERM of 9.6 ppm. However there is a PEL of 4.21 which I also used. Pretty much if anything was over 4.21 it was going to be considered a problem. The same issue arises with lead and silver since there now is no ERM cited but there is still a PEL which I used. It's a bigger issue with mercury and nickel. I used the mercury ERM/PEL of 0.7. And I used the nickel ERM of 51.6 and PEL of 42.8 ppm.

Regarding organics, there are big differences in the numbers for DDT. I used a p,p'-DDE ERM of 27 ppb and a PEL of 374.17. I used a p,p'-DDT PEL of 4.77. And I used a total DDT ERM of 45.1 and a PEL of 51.7. For total PCBs I used an ERM of 180 ppb and a PEL of 188.8 ppb. Also for total PAHs, I used an ERM of 44792 ppb and a PEL of 16771 ppb.

>>> Craig J. Wilson 02/03/05 08:44AM >>>
Hi Shirley,

I'm beginning to address the fact sheets you sent us last August and need a little more info on some of them before I can complete the fact sheets. Here are my questions:

1. Consolidated Slip -- Benthic community effects
Seventeen samples are mentioned but there is no indication of how many samples are degraded or transitional. I need to know how many were impacted....
2. Dominguez Channel -- coliform
Exceedances are mentioned but there is no indication of how many samples do not meet standards. I also need the total number of samples.
3. Most all of the other fact sheets are OK but I need to make sure that you are using the sediment guidelines that meet the conditions of the Listing Policy. The numbers were are using are attached. If there are differences in the values you used let's discuss.

If you have any questions about this please don't hesitate to call or email.

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CC: Lyons, Michael

~~2004~~

Region 4: Los Angeles Harbor – Consolidated Slip
Benthic community effects

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Benthic community effects/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and beneficial use or standard	Benthic community effects are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Benthic community effects are applicable to Aquatic Life
Water Body-specific Information	Environmental data measured at site. Seventeen grab or core samples from 1992 and 1996.
Data used to assess water quality	17 sediment samples as compared to the Benthic Response Index – Embayments (BRI-E).
Spatial representation	17 samples spread throughout the slip
Temporal representation	1992, 1996
Data type	Numerical data
Use of standard method	BPTCP
Potential sources of pollutant(s)	Co-listed pollutants such as several metals as well as PCBs, PAHs, and chlorinated pesticides
Alternative Enforceable Program	
RWQCB Recommendation	List, the majority of samples indicate impairment using the BRI-E.
SRWCB Staff Recommendation	

Degraded
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Region 4: Los Angeles Harbor – Consolidated Slip
Cadmium (sediment)

~~2509~~

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Cadmium/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	Cd ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Data are 41 samples (cores or grabs) from 1992 – 1997.
Data used to assess water quality	Of 41 sediment samples (cores or grabs) from 1992-1997, 15 exceeding ERM-PELs.
Spatial representation	38 samples spread throughout the estuary
Temporal representation	1992 - 1997.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, historical discharges of metals
Alternative Enforceable Program	
RWQCB Recommendation	List, about 30% of samples exceeded ERM-PELs
SRWCB Staff Recommendation	

~~New~~

**Region 4: Los Angeles Harbor – Consolidated Slip
Chlordane (sediment)**

Water Body	Consolidated Slip
Stressor/Media/Beneficial Use	Chlordane/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	Chlordane ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Data are 39 samples (cores or grabs) from 1993 – 1997.
Data used to assess water quality	Of 39 sediment samples (cores or grabs) from 1993-1997, 30 exceeding ERM-PELs.
Spatial representation	39 samples spread throughout the estuary
Temporal representation	1993 - 1997.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, historical use of pesticides
Alternative Enforceable Program	BPTCP
RWQCB Recommendation	List, about 75% of samples exceeded ERM-PELs
SRWCB Staff Recommendation	

Region 4: Los Angeles Harbor - Consolidated Slip
Chlordane (tissue)

~~New
enforced
use
data.~~

Water Body	Los Angeles Harbor – Consolidated Slip
Stressor/Media/Beneficial Use	Chlordane/Tissue
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and beneficial use or standard	There is not a linkage to beneficial use
Utility of measure for judging if standards or uses are not attained	Assessment based on background levels rather than valid assessment guideline which is not applicable to aquatic life
Water Body-specific Information	Environmental data measured at site, multiple years, one location.
Data used to assess water quality	Mussel tissue data back to 1994.
Spatial representation	One station
Temporal representation	Most years, 1982 – 2000.
Data type	Numerical data
Use of standard method	SMWP
Potential sources of pollutant(s)	Stormwater runoff, historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Do not list – original listing was based on exceeding background levels rather than valid assessment guidelines.
SRWCB Staff Recommendation	

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1992-
2003

~~New~~

**Region 4: Los Angeles Harbor – Consolidated Slip
Chromium (sediment)**

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Chromium/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	Cr ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Data are 41 samples (cores or grabs) from 1992 – 1997.
Data used to assess water quality	Of 41 sediment samples (cores or grabs) from 1992-1997, 12 exceeding ERM-PELs.
Spatial representation	41 samples spread throughout the estuary
Temporal representation	1992 - 1997.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, historical discharges of metals
Alternative Enforceable Program	
RWQCB Recommendation	List, about 30% of samples exceeded ERM-PELs
SRWCB Staff Recommendation	

2510

**Region 4: Los Angeles Harbor – Consolidated Slip
Copper (sediment)**

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Copper/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	Cu ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Dataset from 2002 of 122 samples (cores); other data are 41 samples (cores or grabs) from 1992 – 1997.
Data used to assess water quality	From the 2002 dataset, 71 sediment samples (cores or grabs) exceeding ERM-PELs; from 1992-1997 data, 32 exceeding ERM-PELs.
Spatial representation	163 samples spread throughout the estuary.
Temporal representation	1992 - 2002.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, antifouling paints, historical discharges of metals
Alternative Enforceable Program	
RWQCB Recommendation	List, over half of samples exceeded ERM-PELs
SRWCB Staff Recommendation	

Region 4: Los Angeles Harbor – Consolidated Slip
DDT (sediment)

New

Water Body	Los Angeles Harbor – Consolidated Slip
Stressor/Media/Beneficial Use	DDT/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF
Linkage between measurement endpoint and beneficial use or standard	DDT ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site, one dataset of 122 samples is from 2002 (cores), the other data (40 samples) are from dredge or harbor-wide studies (grabs or cores) from 1992 – 1997.
Data used to assess water quality	For the 2002 dataset of 122 samples (cores), 71 exceeding ERM-PELs for total DDT; for the other 40 samples (grabs or cores), 31 exceeding ERM-PELs for p,p'-DDE, 29 exceeding ERM-PELs for p,p'-DDT
Spatial representation	162 samples spread throughout the slip
Temporal representation	1992 - 2002
Data type	Numerical data
Use of standard method	Army Corps (dredge data), BPTCP, USEPA (Bight and special studies)
Potential sources of pollutant(s)	Historical use of pesticides; catchment area for former DDT manufacturing facility (Montrose) drains area upstream of slip
Alternative Enforceable Program	BPTCP
RWQCB Recommendation	List due to exceedances of ERM-PELs
SRWCB Staff Recommendation	

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**Region 4: Los Angeles Harbor – Consolidated Slip
DDT (Fish Advisory)**

Water Body	Los Angeles Harbor – Consolidated Slip
Stressor/Media/Beneficial Use	DDT/Fish Advisory/COMM
Data quality assessment. Extent to which data quality requirements met.	OEHHA
Linkage between measurement endpoint and beneficial use or standard	Fish advisories are linked to COMM
Utility of measure for judging if standards or uses are not attained	Fish advisories are applicable to COMM
Water Body-specific Information	Los Angeles/Long Beach Harbor area is covered by the 1991 OEHHA <i>A Study of Chemical Contamination of Marine Fish From Southern California</i>
Data used to assess water quality	1991 OEHHA <i>A Study of Chemical Contamination of Marine Fish From Southern California</i>
Spatial representation	Per OEHHA report
Temporal representation	Per OEHHA report
Data type	Numerical data
Use of standard method	OEHHA
Potential sources of pollutant(s)	Historical use of pesticides; catchment area for former DDT manufacturing facility (Montrose) drains area upstream of slip
Alternative Enforceable Program	
RWQCB Recommendation	List due to fish advisory for DDT
SRWCB Staff Recommendation	

~~News~~

**Region 4: Los Angeles Harbor - Consolidated Slip
DDT (tissue)**

Water Body	Los Angeles Harbor – Consolidated Slip
Stressor/Media/Beneficial Use	DDT/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and beneficial use or standard	There is not a linkage to beneficial use
Utility of measure for judging if standards or uses are not attained	Original assessment based on background levels rather than valid assessment guideline which is not applicable to aquatic life; for current assessment, NAS guidelines are applicable to Aquatic Life
Water Body-specific Information	Environmental data measured at site, multiple years, one location.
Data used to assess water quality	Mussel tissue data back to 1992.
Spatial representation	One station
Temporal representation	1992 – 2000.
Data type	Numerical data
Use of standard method	SMWP
Potential sources of pollutant(s)	Stormwater runoff, historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Do not list – original listing was based on exceeding background levels rather than valid assessment guidelines; no exceedances of NAS guidelines; additional very limited fish tissue study conducted by AMEC for Regional Board and Port of LA was not used due to small numbers of fish analyzed (four fish each of 2 spp.).
SRWCB Staff Recommendation	

One station
1992 – 2000.

100
1/2

Region 4: Los Angeles Harbor – Consolidated Slip
Dieldrin (sediment)

~~EST~~
New

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Dieldrin/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	Dieldrin ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Data are 38 samples (cores or grabs) from 1992 – 1997.
Data used to assess water quality	Of 38 sediment samples (cores or grabs) from 1992-1997, 10 exceeding ERM-PELs.
Spatial representation	38 samples spread throughout the estuary
Temporal representation	1992 - 1997.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	List, about 30% of samples exceeded ERM-PELs
SRWCB Staff Recommendation	

~~250~~
~~1/2~~

Region 4: Los Angeles Harbor - Consolidated Slip
Dieldrin (tissue)

Water Body	Los Angeles Harbor – Consolidated Slip
Stressor/Media/Beneficial Use	Dieldrin/Tissue
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and beneficial use or standard	There is not a linkage to beneficial use
Utility of measure for judging if standards or uses are not attained	Assessment based on background levels rather than valid assessment guideline which is not applicable to aquatic life
Water Body-specific Information	Environmental data measured at site, multiple years, one location.
Data used to assess water quality	Mussel tissue data back to 1992.
Spatial representation	One station
Temporal representation	1992 – 2000.
Data type	Numerical data
Use of standard method	SMWP
Potential sources of pollutant(s)	Stormwater runoff, historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Do not list – original listing was based on exceeding background levels rather than valid assessment guidelines.
SRWCB Staff Recommendation	

8/12

Region 4: Los Angeles Harbor – Consolidated Slip
Mercury (sediment)

2/13
Management

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Mercury/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	Hg ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Dataset from 2002 of 122 samples (cores); other data are 41 samples (cores or grabs) from 1992 – 1997.
Data used to assess water quality	From the 2002 dataset, 39 sediment samples (cores or grabs) exceeding ERM-PELs; from 1992-1997 data, 14 exceeding ERM-PELs.
Spatial representation	163 samples spread throughout the estuary
Temporal representation	1992 - 2002.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, historical discharges
Alternative Enforceable Program	
RWQCB Recommendation	List, about 30% of samples exceeded ERM-PELs
SRWCB Staff Recommendation	

25/12

Region 4: Los Angeles Harbor – Consolidated Slip
Nickel (sediment)

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Nickel/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	Ni ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Data are 26 samples (cores or grabs) from 1992 – 1997.
Data used to assess water quality	Of 26 sediment samples (cores or grabs) from 1992-1997, 12 exceeding ERM-PELs.
Spatial representation	26 samples spread throughout the estuary
Temporal representation	1992 - 1997.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, historical discharges of metals
Alternative Enforceable Program	
RWQCB Recommendation	List, about 50% of samples exceeded ERM-PELs
SRWCB Staff Recommendation	

Region 4: Los Angeles Harbor – Consolidated Slip
Polycyclic Aromatic Hydrocarbons (sediment)

~~New Assessment~~
~~FILE~~

Water Body	Consolidated Slip
Stressor/Media/Beneficial Use	Polycyclic Aromatic Hydrocarbons (PAHs)/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	PAHs ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Dataset of 120 samples collected in 2002 (cores); other data are 41 samples (cores or grabs) from 1992 – 1997.
Data used to assess water quality	120 sediment samples (cores) from 2002, 41 exceeding ERM-PELs for total PAHs; for 41 sediment samples (cores or grabs) from 1992-1997, 2 exceeding ERM-PELs for total PAHs.
Spatial representation	161 samples spread throughout the estuary
Temporal representation	1992 - 2002.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, aerial deposition, historical discharges from refineries, spills
Alternative Enforceable Program	
RWQCB Recommendation	List, about 25% of samples exceeded ERM-PELs
SRWCB Staff Recommendation	

**Region 4: Los Angeles Harbor – Consolidated Slip
Lead (sediment)**

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Lead/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	Pb ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Dataset from 2002 of 122 samples (cores); other data are 41 samples (cores or grabs) from 1992 – 1997.
Data used to assess water quality	From the 2002 dataset, 77 sediment samples (cores or grabs) exceeding ERM-PELs; from 1992-1997 data, 22 exceeding ERM-PELs.
Spatial representation	163 samples spread throughout the estuary
Temporal representation	1992 - 2002.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, historical discharges or spills of leaded gasoline, historical discharges of paints
Alternative Enforceable Program	
RWQCB Recommendation	List, over half of samples exceeded ERM-PELs
SRWCB Staff Recommendation	

Region 4: Los Angeles Harbor – Consolidated Slip
PCBs (sediment)

New Assessment

Water Body	Los Angeles Harbor – Consolidated Slip
Stressor/Media/Beneficial Use	PCBs/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF, BPTCP
Linkage between measurement endpoint and beneficial use or standard	PCBs ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site, dataset of 161 samples collected from 1992 - 2002.
Data used to assess water quality	161 sediment samples (both cores and grabs), the majority exceeding ERM-PELs for total PCBs
Spatial representation	161 samples spread throughout the estuary
Temporal representation	1992 - 2002
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Historical use of PCBs in the heavily industrialized area
Alternative Enforceable Program	BPTCP
RWQCB Recommendation	List due to exceedances of ERM-PELs
SRWCB Staff Recommendation	

**Region 4: Los Angeles Harbor – Consolidated Slip
PCBs (Fish Advisory)**

Water Body	Los Angeles Harbor – Consolidated Slip
Stressor/Media/Beneficial Use	PCBs/Fish Advisory/COMM
Data quality assessment. Extent to which data quality requirements met.	OEHHA
Linkage between measurement endpoint and beneficial use or standard	Fish advisories are linked to COMM
Utility of measure for judging if standards or uses are not attained	Fish advisories are applicable to COMM
Water Body-specific Information	Los Angeles/Long Beach Harbor area is covered by the 1991 OEHHA <i>A Study of Chemical Contamination of Marine Fish From Southern California</i>
Data used to assess water quality	1991 OEHHA <i>A Study of Chemical Contamination of Marine Fish From Southern California</i>
Spatial representation	Per OEHHA report
Temporal representation	Per OEHHA report
Data type	Numerical data
Use of standard method	OEHHA
Potential sources of pollutant(s)	Historical use of hydraulic fluids
Alternative Enforceable Program	
RWQCB Recommendation	List due to fish advisory for PCBs
SRWCB Staff Recommendation	

~~Next~~

**Region 4: Los Angeles Harbor - Consolidated Slip
PCBs (tissue)**

Water Body	Los Angeles Harbor – Consolidated Slip
Stressor/Media/Beneficial Use	PCBs/Tissue
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and beneficial use or standard	There is not a linkage to beneficial use
Utility of measure for judging if standards or uses are not attained	Assessment based on background levels rather than valid assessment guideline which is not applicable to aquatic life
Water Body-specific Information	Environmental data measured at site, multiple years, one location.
Data used to assess water quality	Mussel tissue data back to 1992.
Spatial representation	One station
Temporal representation	1992 – 2000.
Data type	Numerical data
Use of standard method	SMWP
Potential sources of pollutant(s)	Stormwater runoff, historical use of hydraulic fluids
Alternative Enforceable Program	
RWQCB Recommendation	Do not list – original listing was based on exceeding background levels rather than valid assessment guidelines.
SRWCB Staff Recommendation	

exceed
12/12

2603

**Region 4: Los Angeles Harbor – Consolidated Slip
Sediment toxicity**

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Toxicity/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and beneficial use or standard	Sediment toxicity is linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Sediment toxicity is applicable to Aquatic Life
Water Body-specific Information	Environmental data measured at site. 17 grab samples from 1994 and 1996.
Data used to assess water quality	13 of 17 samples (whole sediment) were toxic as compared to a control.
Spatial representation	17 samples spread throughout the estuary
Temporal representation	1994 and 1996
Data type	Numerical data
Use of standard method	BPTCP
Potential sources of pollutant(s)	Co-listed pollutants such as several metals as well as PCBs, PAHs, and chlorinated pesticides
Alternative Enforceable Program	
RWQCB Recommendation	List, the majority of samples exhibited sediment toxicity
SRWCB Staff Recommendation	

Region 4: Los Angeles Harbor - Consolidated Slip
Toxaphene (tissue)

Water Body	Los Angeles Harbor – Consolidated Slip
Stressor/Media/Beneficial Use	Toxaphene/Tissue
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and beneficial use or standard	There is not a linkage to beneficial use
Utility of measure for judging if standards or uses are not attained	Assessment based on background levels rather than valid assessment guideline which is not applicable to aquatic life
Water Body-specific Information	Environmental data measured at site, multiple years, one location.
Data used to assess water quality	Mussel tissue data back to 1994.
Spatial representation	One station
Temporal representation	Most years, 1982 – 2000.
Data type	Numerical data
Use of standard method	SMWP
Potential sources of pollutant(s)	Stormwater runoff, historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Do not list – original listing was based on exceeding background levels rather than valid assessment guidelines.
SRWCB Staff Recommendation	

Region 4: Los Angeles Harbor – Consolidated Slip
Zinc (sediment)

Water Body	Los Angeles Harbor - Consolidated Slip
Stressor/Media/Beneficial Use	Zinc/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	CSTF/BPTCP/USEPA
Linkage between measurement endpoint and beneficial use or standard	Zn ERM-PELs are linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life but using these guidelines in the absence of synoptically collected toxicity data is controversial; however, there is pervasive sediment toxicity in this area, where some sediment chemistry results have synoptically collected toxicity data
Water Body-specific Information	Environmental data measured at site. Dataset from 2002 of 122 samples (cores); other data are 41 samples (cores or grabs) from 1992 – 1997.
Data used to assess water quality	From the 2002 dataset, 76 sediment samples (cores or grabs) exceeding ERM-PELs; from 1992-1997 data, 30 exceeding ERM-PELs.
Spatial representation	163 samples spread throughout the estuary
Temporal representation	1992 - 2002.
Data type	Numerical data
Use of standard method	CSTF, USEPA, BPTCP
Potential sources of pollutant(s)	Stormwater runoff, discharges of zinc anodes from boats, historical discharges
Alternative Enforceable Program	
RWQCB Recommendation	List, over half of samples exceeded ERM-PELs
SRWCB Staff Recommendation	